

## **CITY OF HAYWARD**

### **AGENDA REPORT**

AGENDA DATE 11/09/04

AGENDA ITEM 3

WORK SESSION ITEM       

**TO:** Mayor and City Council

**FROM:** Director of Public Works

**SUBJECT:** Hesperian Booster Pump Station Project: Authorization for the City Manager to Execute Amendments to Professional Services Contracts

#### **RECOMMENDATION:**

It is recommended that the City Council adopt the attached resolutions that:

1. Authorize an increase not to exceed \$80,000 in additional services in the agreement with Carollo Engineers; and
2. Authorize an increase not to exceed \$16,000 in additional services in the agreement with Geomatrix Consultants, Inc.

#### **BACKGROUND:**

Previously, Council approved the execution of a Professional Service agreement with Carollo Engineers for the Hesperian Booster Pump Station Project. The agreement contains a not-to-exceed limit of \$730,000, which includes \$100,000 for additional services.

During design of the project, staff authorized additional services totaling \$100,000, in conformance with the provisions of the executed agreement. The additional services were required for unforeseen work not included in the basic scope of services, some of which are summarized below:

- Addition of several work items as a result of the recommendation made during the design stage for additional landscaping and architectural features to be consistent with the Eden Shores Development.
- A feasibility study for connecting the San Francisco Public Utilities Commission (SFPUC) and East Bay Municipal Utilities District (EBMUD) water systems to provide a regional water system Intertie during an emergency. This work, paid for by SFPUC and EBMUD, was clearly outside of the scope of this project and could not have been anticipated.
- Revisions to the design of the underground fuel storage tank due to a requirement and policy change by the State.

While this project is currently under construction, other work has been identified as necessary to be included. These items of work are summarized below:

- Design and installation of a flushing and cleaning system for City aqueducts prior to the operation of the Pump Station. This item needs to be completed ahead of the Emergency Water System Intertie Project to prevent having to do excavation work at the Hesperian Booster Pump Station site after it is completed.
- Review of additional shop drawings submittals. This task, originally budgeted for 83 submittal reviews, now has been projected as 250 submittals, due to the size and detail requirements of the project. The dramatic increase in the number of submittals relate to two factors; first that there were many re-submittals made by the contractor asking for further reviews; and secondly, because of the work load related to several key projects, staff has not been able to perform as much of the submittal reviews as had originally been planned. Consequently, the consultant is being requested to perform the review.
- Additional design services for soil reinforcement are required for structural layers under the pipeline and building foundations to prevent any future settlement, due to soil conditions discovered during construction.

Carollo Engineers initially submitted a request for additional services totaling \$140,000, to cover the extra work described above and to allow \$10,000 for possible future requirements. In extensive negotiations with City staff, this value was substantially decreased to \$80,000, which better represents the level of effort and work that can be considered extra services. This amount still includes over \$10,000 for possible future requirements.

As stipulated in the original agreement with Carollo Engineers, additional services in excess of the originally approved amount of \$100,000 require approval by the Council. Staff recommends approval of an \$80,000 increase to cover the additional services described above for a total authorization of \$180,000. Additional services for the feasibility study requested by EBMUD and SFPUC cost \$30,000. EMBUD and SFPUC have reimbursed the City the \$30,000, which effectively reduces the total additional services cost to the City to \$150,000.

On January 22, 2002, Council approved the execution of a Professional Service agreement with Geomatrix Consultants for provision of professional geotechnical and environmental services for the Hesperian Booster Pump Station Project. The agreement contains a not-to-exceed limit of \$80,000, which includes \$22,000 for additional services.

During the design and construction of the project, contaminated and unstable soil was found at the site. Additional services for mapping the location of contaminated and unstable soil, and additional soil analysis, including laboratory tests, are needed for ensuring all contaminated soil is properly located and removed from site. The total cost for these extra work items is \$38,000, which exceeds the additional service limit of \$22,000 from the original contract with Geomatrix. Staff recommends approval of a \$16,000 increase to cover the additional services. All contaminated soil will be hauled away and disposed, per State requirement.

**Project Cost:**

Design and Construction Service	\$ 730,000
Additional Design and Construction Service (this action)	80,000
Environmental Assessment and Pre-design Study	100,000
Additional Geotechnical and Environmental Services (this action)	16,000
Construction Cost by Contractor	7,174,500
PG&E Connection Cost	91,000
Inspection, Testing & Administration	200,000
Construction by City	60,000
Police Communication Building and Equipment Relocation	<u>110,000</u>
Total	\$ 8,561,500

**Funding:**

The 2004-05 Capital Improvement Program includes a total \$8,581,000 in the Water System Capital Improvement Fund and the Regional Water Intertie Capital Fund for the Hesperian Booster Pump Station Project. Because portions of this project are directly related to the Emergency Water System Intertie project, EBMUD and SFPUC will provide reimbursement to the City in the amount of \$780,900.

**Schedule:**

The construction of the project began on March 15, 2004. The contract is approximately 40 percent complete. All work is expected to be completed on schedule by June 2005.

Prepared by:

  
for Alex Ameri, Deputy Director of Public Works

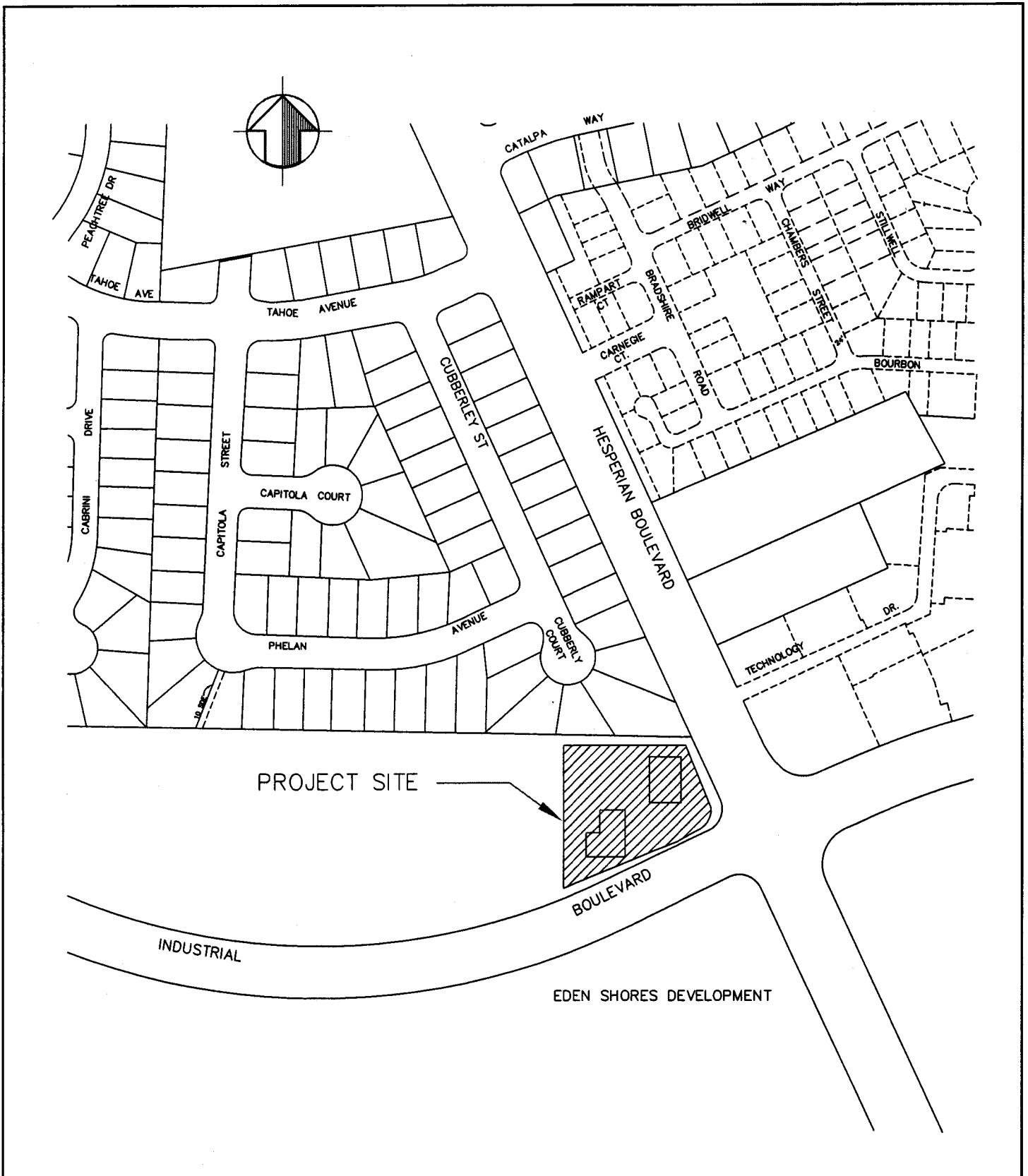
Recommended by:

  
Dennis L. Butler, Director of Public Works

Approved by:

  
Jesús Armas, City Manager

Attachment: Exhibit A: Project Location Map



## PROJECT LOCATION MAP

HESPERIAN BOOSTER PUMP STATION PROJECT  
PROJECT NOS. 622-7144, 627-7091 and 410-6944

EXHIBIT "A"

**DRAFT**

W/H  
10/25/04

**HAYWARD CITY COUNCIL**

**RESOLUTION NO. \_\_\_\_\_**

**Introduced by Council Member \_\_\_\_\_**

**RESOLUTION AUTHORIZING THE CITY MANAGER  
TO EXECUTE AN AMENDMENT TO THE  
AGREEMENT BETWEEN THE CITY OF HAYWARD  
AND CAROLLO ENGINEERS AND GEOMATRIX  
CONSULTANTS FOR THE HESPERIAN BOOSTER  
PUMP STATION PROJECT, PROJECT NOS. 7144, 7091,  
AND 6944**

**BE IT RESOLVED** by the City Council of the City of Hayward that the City Manager is hereby authorized and directed to execute on behalf of the City of Hayward an amendment to the agreement with Carollo Engineers to authorize an increase not to exceed \$80,000 in additional services for the Hesperian Booster Pump Station Project, Project Nos. 7144, 7091, and 6944, in a form to be approved by the City Attorney.

**BE IT FURTHER RESOLVED** by the City Council of the City of Hayward that the City Manager is hereby authorized and directed to execute on behalf of the City of Hayward an amendment to the agreement with Geomatrix Consultants to authorize an increase not to exceed \$16,000 in additional services for the Hesperian Booster Pump Station Project, Project Nos. 7144, 7091, and 6944, in a form to be approved by the City Attorney.

**IN COUNCIL, HAYWARD, CALIFORNIA \_\_\_\_\_, 2004**

**ADOPTED BY THE FOLLOWING VOTE:**

**AYES: COUNCIL MEMBERS:**

**MAYOR:**

**NOES: COUNCIL MEMBERS:**

**ABSTAIN: COUNCIL MEMBERS:**

**ABSENT: COUNCIL MEMBERS:**

**ATTEST:** \_\_\_\_\_  
City Clerk of the City of Hayward

**APPROVED AS TO FORM:**

\_\_\_\_\_  
City Attorney of the City of Hayward